Material Safety Data Sheet

1. Product and Company Identification

Material name	CH198A
Use of the preparation	Inkjet printing.
Version #	01
Revision date	04-02-2009
CAS #	Mixture
Synonym(s)	ColorSpan 0900460-012
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-1501 Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomerinquiries@hp.com
Date prepared	Apr 02, 2009
MSDS number	376671

2. Hazards Identification

Acute health effects

Skin contact	May cause sensitization by skin contact. Contact with skin may result in irritation. Avoid contact with the skin.
Eye contact	Contact with eyes may result in irritation. Avoid contact with eyes.
Inhalation	Inhalation may result in respiratory irritation.

Potential health effects

Routes of exposure	Potential routes of overexposure to this product are skin and eye contact.

3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
1,2-Hexanediol	6920-22-5	<10
Red Dye	Proprietary	<5
Minor Ingredients		<2
Water	7732-18-5	Balance

Composition comments This product is highly soluble in water.

4. First Aid Measures

First aid procedures

Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops or persists.
Skin contact	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse.
Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms persist, get medical attention.

Ingestion	Rinse mouth out with water. Give several glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If symptoms persist, get medical attention.

5. Fire Fighting Measures

Flash point and method	Not flammable
Hazardous combustion products	Decomposition of this product may yield oxides of sulfur and nitrogen.
Flammable properties	The product is not flammable.
Extinguishing media	
Suitable extinguishing media	Use any media suitable for the surrounding fires.
Unusual fire and explosion hazard	The product is not flammable.
Protection of firefighters	
Protective equipment and precautions for firefighters	Wear suitable protective equipment.

6. Accidental Release Measures

Personal precautions	Avoid contact with skin. Do not touch or walk through spilled material. Use personal protective equipment to minimize exposure to skin and eye.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Clean up in accordance with all applicable regulations. Clean-up methods - small spillage; Flush area with flooding quantities of water.

7. Handling and Storage

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use personal protective equipment as required. Use only with adequate ventilation. When using, do not eat, drink or smoke.
Storage	Keep tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Personal protective equipment	
General	Eye wash fountain and emergency showers are recommended.
Eye / face protection	Wear safety glasses; chemical goggles (if splashing is possible).
Skin protection	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.
Respiratory protection	No personal respiratory protective equipment required under normal conditions of use. Provide adequate ventilation.
General hygeine considerations	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse.

9. Physical & Chemical Properties

Color	Light Magenta
Odor	mild solvent
Odor threshold	Not available.
Physical state	Liquid.
Form	Aqueous solution.

pH	7 - 8
Melting point	< 32 °F (< 0 °C)
Freezing point	Not available.
Boiling point	> 212 °F (> 100 °C)
Flash point	Not flammable
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Relative density	1.03 g/cm³
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	83.4 g/L

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal storage conditions.
Conditions to avoid	Avoid high temperatures.
Incompatible materials	Strong oxidizing agents.

11. Toxicological Information

Sensitization	May cause sensitization by skin contact.
Local effects	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Carcinogenicity	None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

12. Ecological Information

Ecotoxicity	The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.
Persistence and degradability	Not available.

13. Disposal Considerations

Disposal instructions	Dispose of in compliance with federal, state, and local regulations. Do not allow this material to drain into sewers/water supplies.

14. Transport Information

IATA

Not regulated as dangerous goods.

General	Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.

15. Regulatory Information

US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No

16. Other Information

HMIS® ratings	Health: 1 Flammability: 0 Physical hazard: 0 Personal protection: B
NFPA ratings	Health: 1 Flammability: 0 Instability: 0
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Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds
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